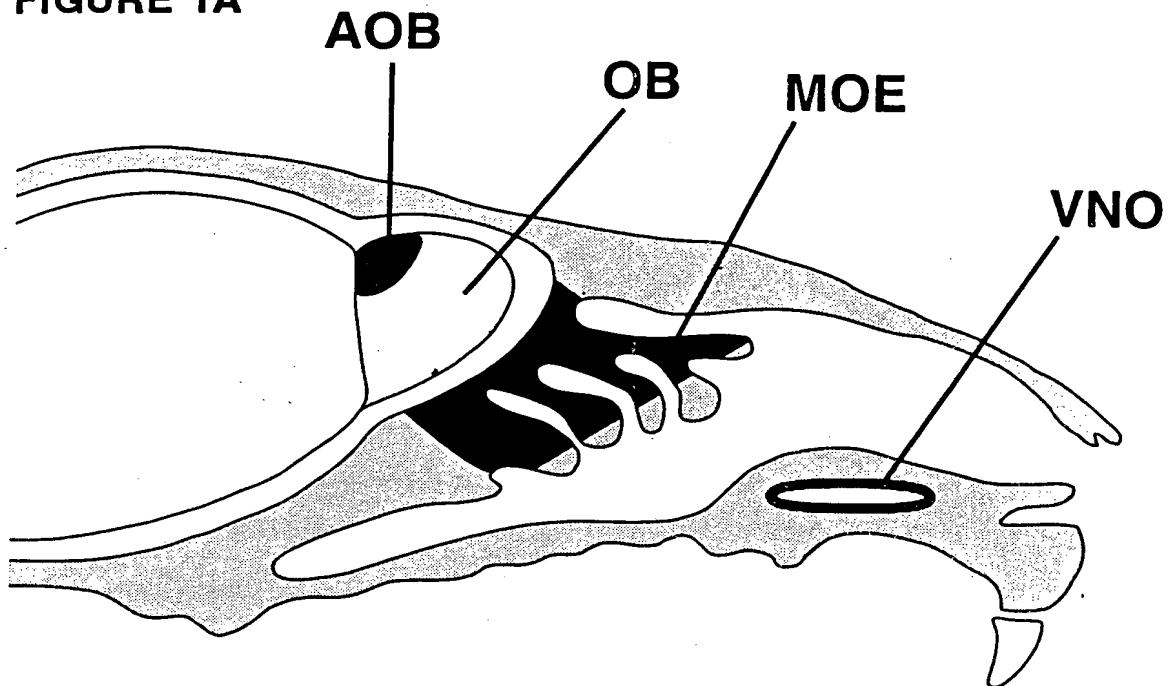
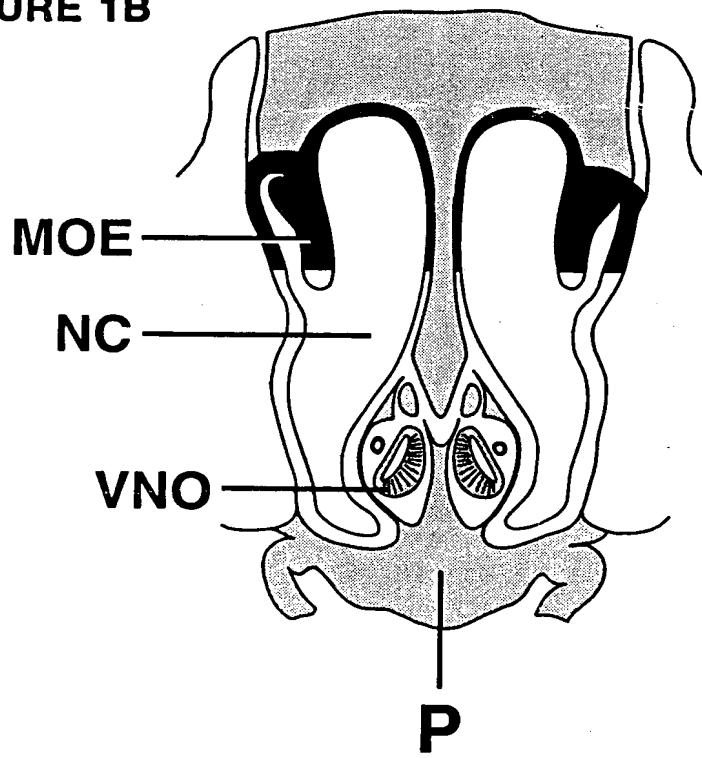
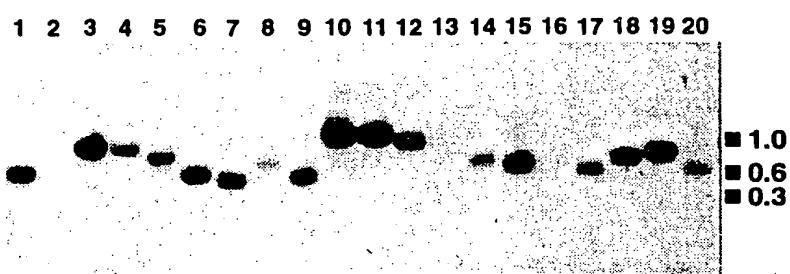


**FIGURE 1A**

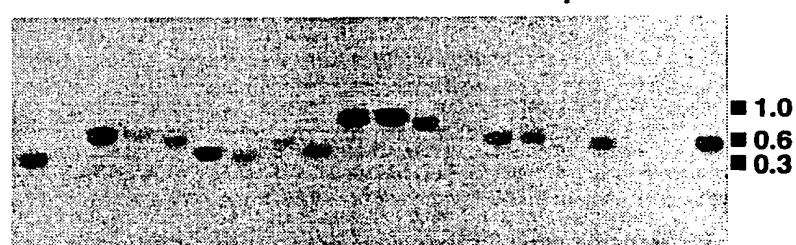


**FIGURE 1B**

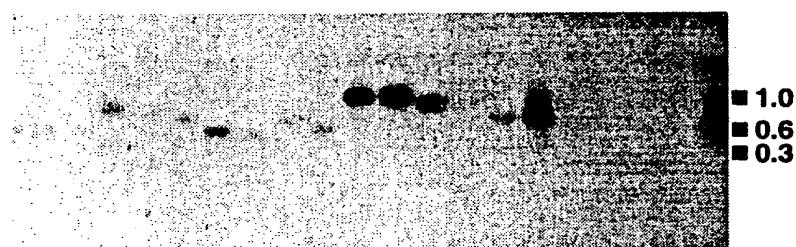




## FIGURE 2A



## FIGURE 2B



## FIGURE 2C

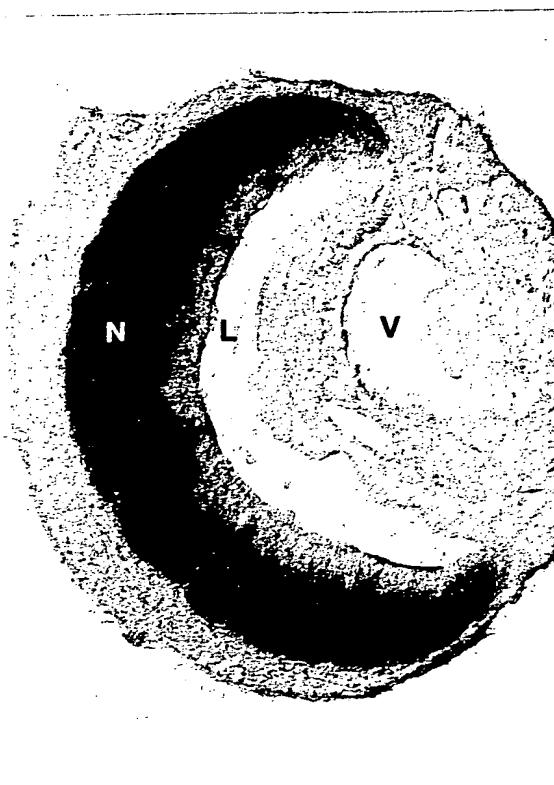
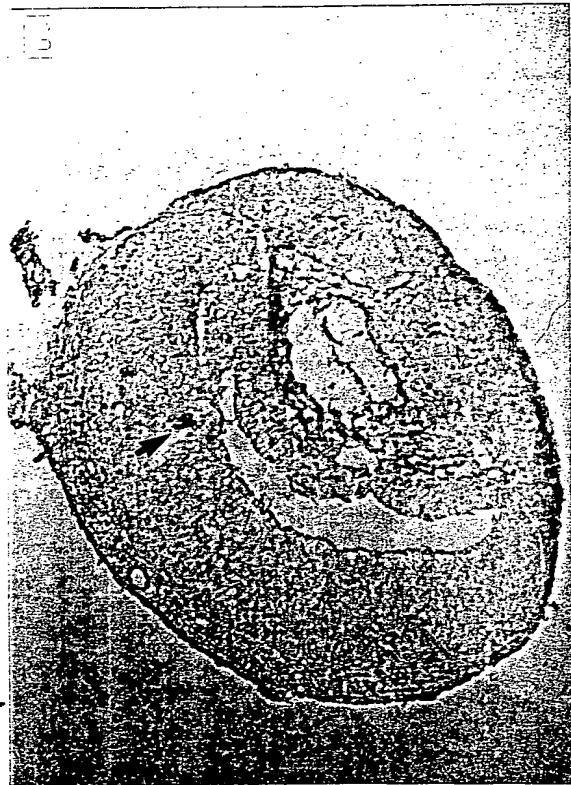
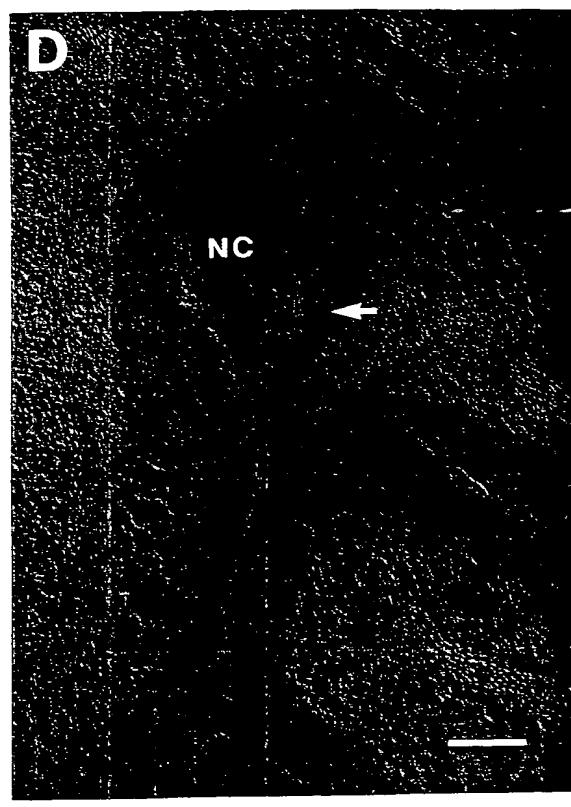
**FIGURE 3A****FIGURE 3B****FIGURE 3C****FIGURE 3D**

FIGURE 4A

## FIGURE 4B

II  
III  
I

r.EP3B 59 SKRKKSFLCIGWLAUTDVGQLTSPVVILVYLSQRRWEQL---DPSGRLCIFFGLTMTVFGLOSSLLVVASAMA 121  
VN2 43 GqRSRLTDPIGLLSEINNLMLIMACIATDIFISCRRWDDIICKSLLYRTFRGLSLSTTCLLSVqAIIIS 105

FIGURE 4C

VN6 KCKSLAHLHRLRGGLSCLATCLLSIFQAAITLSPRSSCLAHG25 NISPVIYRYRLMRRGGLSISTCLLSVQAINLTPRSSRLA

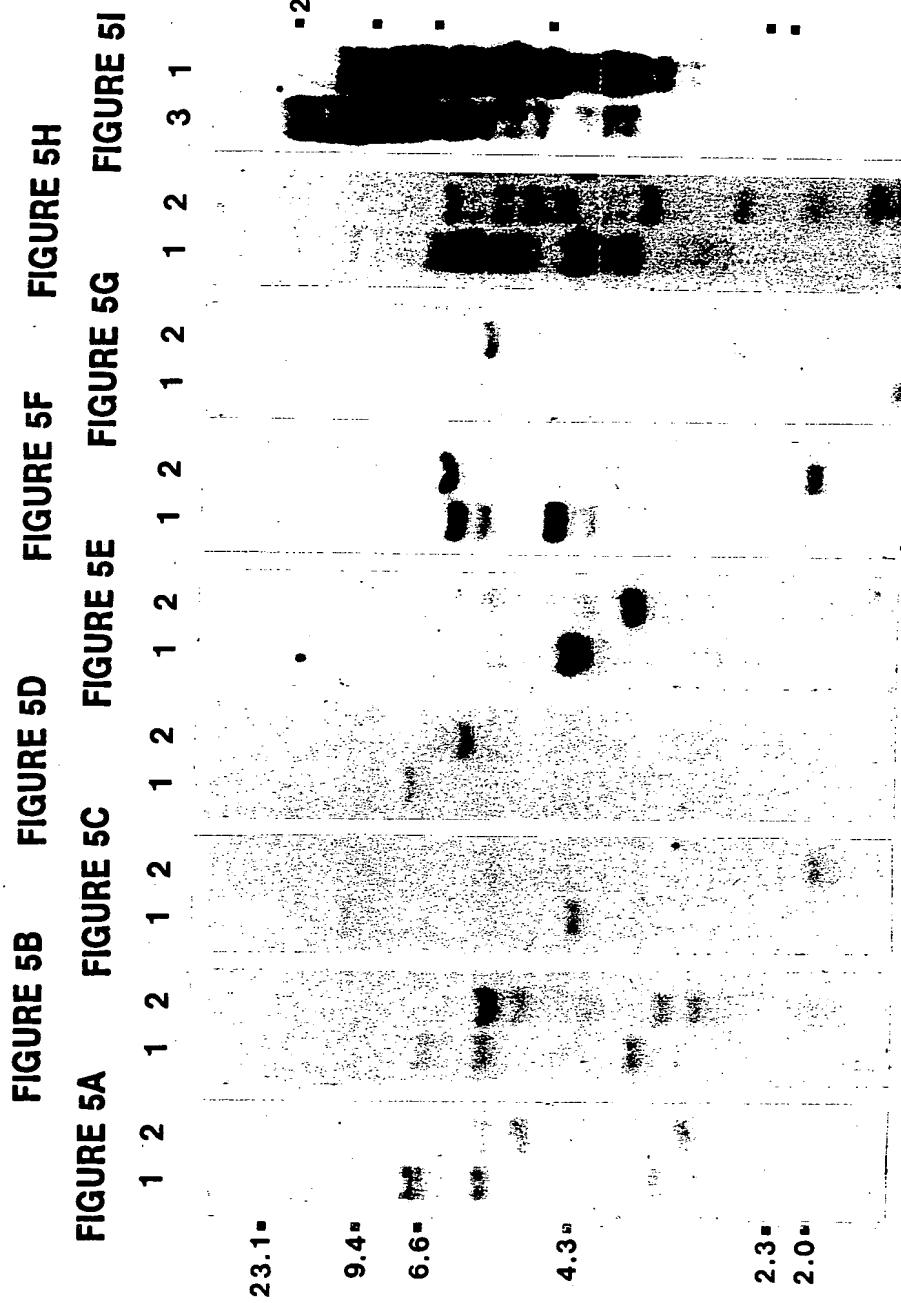
11

二

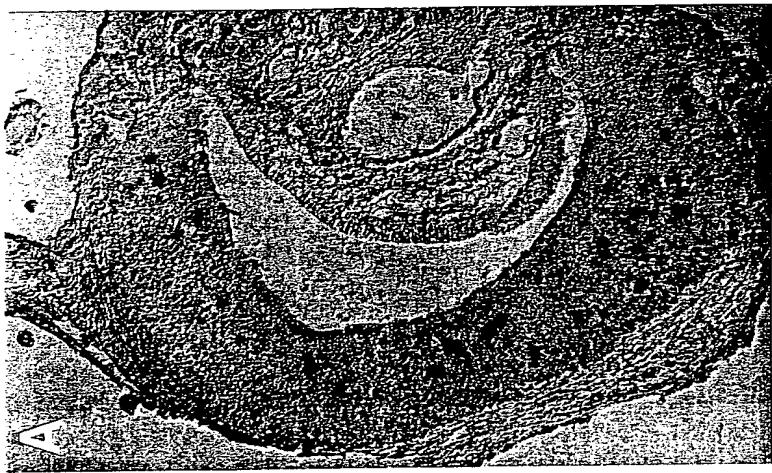
1

VN6 RHRKGQAQHLHRISLSPKASPEQRAITLILLMSFFEVLYCLDCTISASR  
HG25 RHNRSQSHLHSINLSPKAPPDKRAISLTVSEFENCLPEAAITI 263.

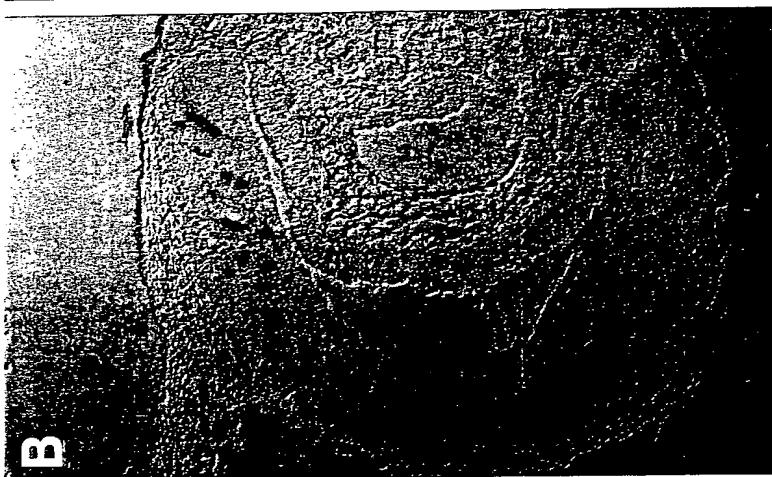
VN6 HG25



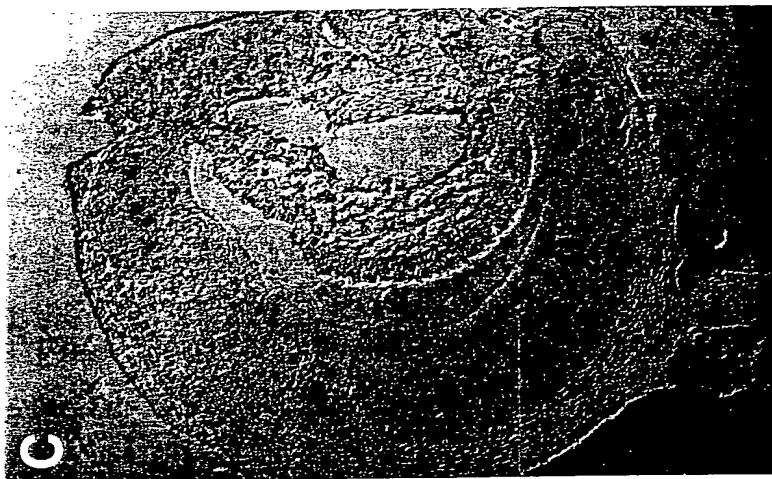
**FIGURE 6A**



**FIGURE 6B**



**FIGURE 6C**



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FIGURE 6F

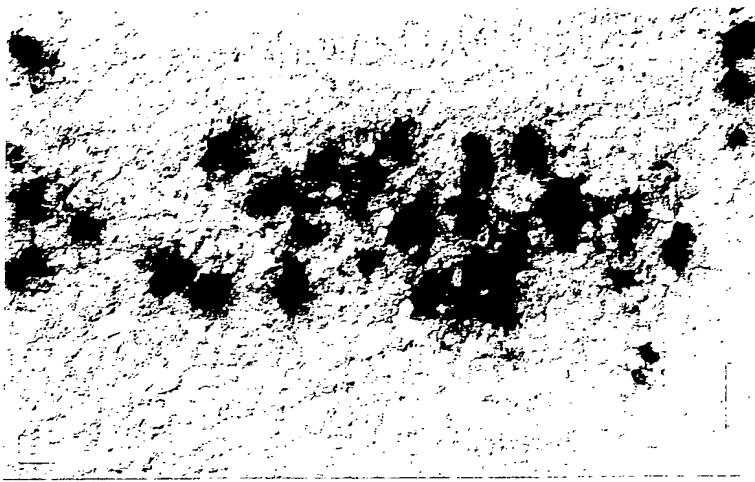
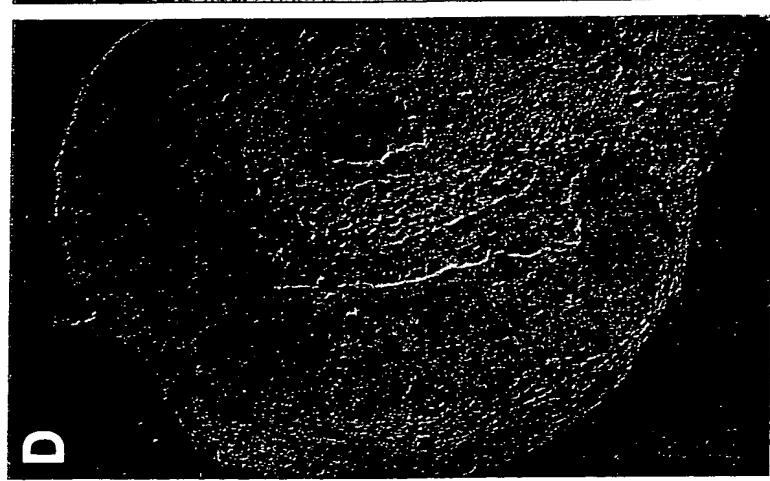


FIGURE 6E



FIGURE 6D



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**FIGURE 7**



**FIGURE 8**

TTTCGGCACGAGTTCACCTGCCCTCGAATTCAATTGAGTAAGTGACCAGC  
AATGGAGTACAGAATCAGAAGATGGTGGATCCCAGGCAGGCTGTGGGAGG  
AGGAACCTCTGGAACCTGCATGAGGAGTTGAGCACCTGCCATGGAGTAGCTG  
ATCTCTGAGGACCCCTCANCACAGGTCTGTGTTCTACATCAAGTGCATATT  
TTTCCTAGGATATTCAATTCCGTAAGTCCTGAAATTACTTAATTTTATAG  
GAGTTCTCATATATGATGAATAAGAACAGCAGACTCTACACTGATTCTAA  
CATAAAGGAATACCTTTTCGCTGAAATTGGCATTGGAGTCTCAGCCAATAG  
CCTCCTACTTCTCTCAACATCTCAAGTTAATTGTGGCAGAGGTCCAGA  
CTCACTGACCTGCCATTGGTCTCTGTCCCTAATCAACTTACTTATGCTACT  
GATGACGGCATTCATAGCCACAGACACTTTATTCTGGAGAGGGTGGGA  
TGACATCATATGTAATCCCTCTCACCTGTACAGAACATTAGAGGTCTC  
TCTCTTGTACCAGCTGCCTGTTGAGTGTCTGCAGGCCATCCTCAGTCCC  
AGAACGCTCTGTTAGCAAAGTCAAACATAAGCCTCCCATCACATCTCCT  
GTGCCATTCTCTGAGTGTCTACATGTTATTAGCAGTCACCTCTTA  
GTATCCATCATTGCCACCCAAATTGACCACGAATGACTTTATTATGTTA  
CTCAGTGGTGCCTATTCTACCCATGAGTTACCTCATGCAAAGCATGTTTCT  
ACACTGCTGCCATCAGGGATGTCTTCTTATTAGTCTCATGGTCTGTCAAC  
ATGGTACATGGTGGCTCTTGTAGGCACAGGAAACAGACCCGGCATCTT  
CAGGGTACAGCCTTCCCCAAAAGCATCCCCAGAACAAAGGGCCACCGIT  
CCATCCTGATGCTCATGAGCTTATTGTTCTGATGTTCTGTCTTGTACAGCATT  
GTCTGCAGCTCAAGAACTATGTATCTGAATGATCCAATATCTTATTCTTAT  
CAACTATTATGGTGCACATCTATGCCACAGTAAGCCCTTTGTGTTATTG  
TCACTGAAAAACATATAGTTAACTCTTGTGAGGTCCATGTGTGAAAGGTGC  
ATGAATGTTGAATATTCCCTGATAGCAAGCTCCATTAAAGAGGAGCCAAT  
GTAAGCATCAGAACTGTCAATCATGGCGTGTATGTGCTTGGCATATGTG  
AAATATGAAGTTGTTCTGTTAAATGATTACTTAACTGACGAGAT  
GATGAACGTAACAGAAGATTAAACCACATCCCTTGATAT

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## FIGURE 9

GTGGATCCCCGGGCTGCAGGAATTGGCACGCCGTGATTAAGGGACTTG  
AACTTTCAAGGGATTGGAGTTTATGAAGAATTGAAGATTACAGAG  
TTTACAGGAATGGAGCTGACCAGCCACTATGACATGCCCTATATCTCCAAG  
AGCATAAAATATAAGGCATGGCATGAGAGGACCAGCAGCCACTGTTCTCAT  
ATATGATGAATAAGAACAGCAGAGTCCACACTGATTCTACCATAAAGGAA  
TACCTTCTCCACTGAAATTGGCATTGGAAATCTTAGCCAACAGTTCTACTT  
CTCTTCCACATCTCAAGTTATTCTGTGGACAGAGGTCCAGACTCACTGACCT  
GCCCATGGTCTCTGTCCCTAATCCACCTACTGATGCTACTGATGGGGCAT  
TCATAGCCATAGACATTTTATTCTTGAGGGATGGATGACATCATAT  
GTAAATTCTTGTCTACTGTACAGAAGTTAGAGGTCTCTCTCTTGTAC  
CACCTGCATGTTGAGTGTCTGCAGGCCATCACCCTCAGCCCCAGAAGCTCCTG  
TTTAGCAAAGTCAAACATAAGTCTCCCCATCACGTCTCCTGTGCCATTATT  
TCGCTGAGCATCCTCTACATGTTCATAGCAGTCACCTCTTAGTATCCATCA  
ATGCCACCCCCAATTGACCACGAACAACTTATGCAAGTTACTCAGTCCTG  
CTACATTATACCCCTGAGTTACCTCATGCAAAGCATGTTCTACACTCTG  
GCCATCAGAGATATCTCTTATTAGTCTCATGGTCTCTCGACTTGTACAT  
GGAGGTTCTTGTGTAGGCACAGGAATCAGATCCAGCATCTCAAGGGACC  
AACCTTCCCCAAAAGCATCTCCAGAACAAAGGCCACACAGACCCTG  
ATGCTCATGACCTCTTGTCTTAATGTCATTTCGACAGCATTGTCTCTG  
TTCAAGAACTATGTATCTGAATGATCCAACATCTTACTATATTCAAATAT  
TTGTAGTGGACATCTATGCCACAGTCAGCCCTTTGTGTATGAGCACTGG  
AAAACATATAGTTAACTTTGAAGTCCATGTGTGTGAGGGTGAAGAATG  
TTGAAATATTCTTAATGGACAAGATCCTTAAGAGGAGCCAATGTAGTC  
ATCAGAACTGTCAGTCAGTGTGCTGTCTATGTGCTTGGTAAATGTGAA  
TCATGAAGTTGTTCTGGTAAATGATTACTTAACCAACTCATGATT  
GTAAACATGTAACAGGAGATAAACAAATATCCCCTCGGAAA

**FIGURE 10**

AATTGGCACGAGCAAAGGCAGGGAAGATGCTCCACTGGGATGTCATGTCTC  
TATGCTCCACAGTGGAAAAGTTGTCACATTGTACAAACACTAAAATTACG  
AATTGCTCACAGGCACTAAAAGCTCCTTAATCCTGTGCAGGATCTCCTCAG  
GTACAGAGTCCTCCTGATACGTCTATCTGGTCAGAGGAAAGAGCTGATCAG  
TCATTAACAGAGCTGATTGGTCCCTCCAAGGTACATGACAAGGACTGTA  
TGAGAAAACCAGCAGTGACATGTCTATAGAGATCATTCTGTGCCACACCCA  
GCTCCATTTGGTTGTGGTATTGCTTCCTATCCACATACAATGAATAAA  
GACAACACACTCCATGTTGACACAATCATGAAAATCACTATGTTCTCTGA  
AGTGAGTGGCATCTAGCTAACAGTATCCTGTTTGGTACCTGTGC  
ATGCTCCTGGAGAGAACAGCTAACAGCCCATTCACTCTACATTGCATCCT  
TGTCCCTAACACAACAACTATGCTGCTTATAACTATGGGACTCATAGCTGCTG  
ACATGTTTATTCTCAGGGGATATGGGATTCTACCTCATGCCAGTCCCTTAT  
CTATTGCACAGGCTTCGAGGGGTTTACCCCTAGTGCTGCCTGTCTGCTGA  
ATGCTTTGGATGATCACTCTCAGTTCTAAAAAAATCCTGTTAACAAAGT  
TTAACATAACTCTCCCCATCACATCTCAGGTGCCCTTCTCCTCTGTGTT  
CTCTACATGTGTTAGCAGTCACCTTATTATCGATTATTGCTACCCCTA  
ACTTGACCTCAGATAATTATGTTACTAAGTCCTGTTCAATTCTACC  
CATGTGTTACTCCAGAACAGCATGTTCCACAACAATTGCTGTCAGGGA  
AGCCTTTTATCGGTCTCATGCCCTGTCCAGTGGTACCTGGTGGCTTCT  
CTGGAGACACAGGAAGCAGGCCAGCATCTCACAGCACCGGCCCTTCTCA  
AAGTCATCTCCAGAGCAAAGGGCCACCGAGACCATCCTGCTGCTTATGAGTT  
TCTTGTTGTTCTACATTGGAAAATGTTGCTTCACTCAAGGATGAA  
GTTCAAGGATGGGTCACATTCTACTGTGTCCTTATTGTGCTCCATAGC  
TATGCCACTGTCAGCTCTTGTGTTATTCTACTGAAAAGCGTATGACTA  
AGATATTGAGGTCACTGTGTCAGAATAATAATAATTGATTATTCACT  
GATGGGTATTGCCCTAGAATAAAACCATTACGTTGTCATCAGAGGTTGG  
GTCATGACATAATTGGGACATTCTCTGTCTTAAATTGATAATGAAATT  
TCTTTCTGTTAAAATGTTCTTGTGTTGAGGCCAATATATGA  
AAGAAAATCAAACACCATGTCCTCTACATATCCAACCAAAAAAAA  
AAA

**FIGURE 11**

TTTTTCCCACCTCTCATGCTTTGAAAAGAACAGATCTAAGCCCATTGA  
TCTCTACATTGCTTCTTATCCTTAACCCAACATAATGCTGCTTATAACTATT  
GGACTTATAGCTGCAGACATGTTATGTCTGGGGGAGATGGGATTCTACCA  
CATGCCAGTCCCTTATCTATTGGACAGGGCTTTGAGGGGTTTACCCCTTGT  
GCTACCTGTCTGCTGAATGTCCTTGGACCATCACTCTCAGTCCTAGAACGTC  
CTGTTAACAAACATTAAACATAAAATCTCCCCATCACATCTCAGGTGCCTT  
TCTTTCTCTGTGTTCTATATATCTTTGGCAGTCACCTCTTTATCAA  
CAATTGCTACCCCCAATTGACTTCAGATAATTATGTATGTTACTAAAT  
CCTGTTCAATTCTACCCATGAGTTACTCCAGAACAGCATGTTCCACACC  
AATGGCCATCAGGGAAAGCCCTTCTTATTGGTCTCATGGCCTGTCCAGGGT  
ACATGGGTGCTTCCTATGGAGACACAAGAACATCAGGCCGGCATCTTCACAG  
CACCAGCCTTCTTCAAAAGTGTCCCCAGAGCAAAGGGCACCAGGACCATC  
ATGATTCTCATGAGCTTCTTGTGGTTCTACATTTGAAAATGTTGTCT  
TCTACTCTAGGATGACATTCAAGGATGGGTCAATGTTCTACTGTGTCCAAA  
TTATTGTGTCCCAGCTATGCCACCATCAGCCCTTTGTGTTATTGCACA  
GAAAAGCGTATAATTAAACTTGGGGGTCATGTCTAGCAGAACATAGAA  
GTATTGATTACTCAGTGATGGATATGGTCCCTTAATATAAACCAATATG  
TTGTCATAATAACTATGGATCATGACATATTGGGGACATTCTGTGTCTAA  
ATTATAAAAAAAATTCTTTTGTGTTAATCTGTTCCCTGTGTG  
TGGATGATAAGTATATAAAGGGAAATTAAACAGCGTGTCCCCTCAGATAT  
CCAAAAAA

## FIGURE 12

GGGCTGCAGGAATCGGCACGAGTCAGAGTCCTCCCTGCTATGTGTATCTGG  
AGCCAGCGACTCTCTATGGAGAGCAGCTGTGCAGGCAGGTGGTGGAGCGGA  
AGAAGGCGTGCTGCTGTGACATCATCAAGATGCTGCCTAGCCCTGCGTCGCTG  
CTCTCTGAGGAAGCAGGAGACTGACCCCTGTGACAATGACTGATGAGTCA  
CTCTGTTGTCTACTTACCCCTAGTTCTTGTCCCATAACATGAGGAGAACATCAG  
CACACTGTATGGAGTTGTTGACAAGCAAGCTATATTTCTCTGAAGTAGT  
CATCGGGATCTCATTCAACAGTATCCTCTTCCACATCTTCAGTTCC  
TTCTTGAGCGTAGGCTCCGGATCACTGACCTGATCATCAGTCTTGGCCCTC  
ATCCACCTGGGATGCTAACAGTCATGGGATTAGAGCTGTTGATATTTG  
CATCTCAGAATGTGTGGAATGACATCAAATGCAAATCCCTGCCACTTAC  
ACAGACTTTGAGGGGCCTCTCTCTTGTGCTACCTGTCTGCTGAGTATCTCC  
AGGCCATCACCCCTAGCCCCAGAACAGCTCCTGTTAGCAAAGTTCAAATATA  
AATCCACACAGCACAGCCTGTGTTCCCTTGTGCTCTGGCCTCTACATGT  
CCTGTGGTACTCACTCCTCACCACATCGTTGCTGACTACAACCTCTTCAC  
GCAGTCTCATATTGTCACTGAATCCTGCATTATTTACCCATGGATTACAT  
CACCAAGGGATTATTTCATATTGGGATATTGGGATGTGTCCTTCATA  
GGTCTCATGGCCCTCTCCAGCGGGTACATGGTGGCCCTCTGTGCAAGACACAGG  
AAACAGGCCAGCATCTCACAGGACCAGCCTTCTCCAAAAGCATCCCCAG  
AGCAAAGGCCACCAGGACCATCCTGTTGCTCATGAGCTCTTGTGTTGAT  
GTACTGCTGGACTGCACCATATCCGCCTCCAGACTATGCACAACGGTGAA  
CCAATCCACCAAGTATTAGATGATGGTCTCCAATAGCTATGCCACCCCTCA  
GCCCTTGCTGTTATTGTTACTGAAAATCGAATTAGTAGGTTTGAAGT  
CCTTGCTAGGAAGGACAGTAGATGCTTAAGTATTGAGGGAGGCAGGCCA  
CTAAAGGAGCCAATATGCTAGCTACTGAATAATGAATCCTGGCCTAGTCCT  
CATGCAATCCTGAACAAATTAAATACATGACTCATGCTTCGTTAACCTGCT  
TCTTTGAAATGTGTATTACCAACACCTGTAGATATTGAGTCAAATTCT  
TCATGTGTATTCTCTCAGTGTCACTAGGGACATCTGTGACACTTCACA  
GATTAGGGTAACCTGTGCACCTATCAATAAGCTAAAGTGTACAGCACATT  
TTACTAAGCCAATTATCTCAACAGTTGTTCTACCCAATTAAATATGTA  
AATGTTACCAACCAAAAAAAAAAAAAAA

## FIGURE 13

TTGGGGTAAAACGGCTCGATGACTCCACATGTTGCCATGGCAGAATCTG  
CTCCATGCGGGACAAGAAAATCTCTTCTGGTCTGACGGNGCTTACTGCTG  
AATTCACTGTCGGCGAAGGTAAGTTGATGACTCATGATGAACCTGTTCTA  
TGGCTCCAGATGACAAACATGATCTCATATCAGGGACTGTCGACCTTCC  
CTAACAGTATCCTGTTTGCACCTCTGCATGTTCTGAAGAGAACAG  
GTCTAAGCCCATTGATCTGCTTCTTATCCTTAACCCAACTAATG  
CTGCTTGTAACTATGGGACTCATAGCTGCAGACATGTTATGGCTCAGGGGA  
TATGGGATATTACACATGCAGGTCCCTATCTATTTACAGACTTTGAG.  
GGGTTCAACCTTGTGCTGCCTGCTACTGCATATCCTTGGACCTTCACCT  
CAGTCCTAGAACGCTCTGTTAACAAAGTTAACATAATCTCCCCATCA  
CATCTCAGGTGCCTATCTTCTGTTCTATATGCTCTTAGCAGTC  
ACCTCTTGTATTGGTATTGCTACCTCCAATTAACCTCAGATCATTAT  
GTATGTTACTCAGTCCTGCTCACTCTACCCATGAGTTACTCCAGAACAGC  
ACGTTTCCTTACTGATGGTACCCAGGGAACTCTTCTTATCAGTCTCATGGC  
CCTGTCCAGTGGTACATGGTACTCTCCTATGGAGGCACAAGAACAGGCC  
CAGCATCTCACAGCACCAGACTTCTCAAAAGCATCCCCACAGCAAAGGG  
CCACCAGGACCATCCTGCTTATGACCTTCTTGTGGTTCTACATTAA  
GGCACTGTTATCTCCACTCAAGGACTAAGTCAAGGATGGTCAATCTCT  
ACTGTGTCCTAAATTATTGTGTCCTAGCTATGCCACTATCAGCCATTG  
GTTTGTCTTCTGAAAAGCGCATATCAAGTTTATGACCTTCTTGTGG  
CAGAATAGTAAATTGATTACTGATTACTGATGAGTATGGCTCATGAATAT  
AGTCTAGTAAATTGTGATCAGAGTTATGGCTCATGACATATTAAAAACAT  
TCTCTAATTAAAGTTAACATATAAAATTATCTTATTCTCTTAAATGTG  
TTTACTTTGTGTGTTAAAGTATGAAAAGATAATTAAATCCCCAAAT  
ACACCTTTCTCAAATTAAAAAA

FIGURE 14

1 AACATAAGT CCAGTTATCT ACAGGTACAG GTTGATGAGA GGCCTCTCCA  
61 CTGCCTGTTG AGTGTCTCC AGGCCATCAA CCTCACCCCCA AGGAGCTCCC  
121 GTTCAGAGAT CCTCACATCA CAAACCGCGT TGCTTCTCT TGCTGTCGAT  
181 TCCATTAGTG GAAGCTCTT AGTCTCCACT CTTCCCTCCA AAAATGTTGC CTCAAATAGT  
241 GTTACATTG TCACTCAATC CTGCTCTGCT GGGCCCTGTA GTTGCTTCCT TGGCAGACA  
301 ATTTCACAC TGATGACATT TCAGGATGTC TCCTTGCAGC TCATGGCCC  
361 TACATGGTGA TTCTCTGTG CAGGCATAAC AGGCAGTCTC AGCATCTTCA TAGTATCAC  
421 CTTCTCAA AGCACCCCC AGATAAAAGG GCCATCCAGA GCATTCTT GCTCGTGAGT  
481 TTCTTGTGT TCATGTGCCT TTCCCCATT GCTGCCTAA CACTCTGTC